

FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

ATTY. DOCKET NO.  
APV31638

SERIAL NO.  
To be assigned

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT  
Jacques Hubert Olga Joseph WIJENBERG et al.

FILING DATE  
July 18, 2003

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
JS	2 8 2 1 5 0 5	01/58	Beach			
↓	6 3 7 9 8 1 8	04/02	Mocij et al.			
↓	6 3 9 1 4 7 6	05/02	Wittebrood et al.			
↓	6 3 8 3 6 6 1	05/02	Wittebrood et al.			
↓	6 5 0 3 6 4 0	01/03	Wittebrood et al.			
↓	6 5 6 8 5 8 4	05/03	Wittebrood et al.			
JS	5 9 6 1 8 5 3	10/99	Thornton			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JS	0 2 0 6 0 6 3 9	08/02	WO				
↓	0 2 3 8 3 2 6	05/02	WO				
↓	0 1 6 8 3 1 2	09/01	WO				
↓	0 0 7 1 7 8 4	11/00	WO				
JS	0 1 8 8 2 2 6	11/01	WO				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JS	US Pat. App. Pub. No. US 2002/0175205 (Serial No. 10/060,117), filed Jan. 31, 2002, Wittebrood et al.
↓	US Pat. App. Pub. No. US 2003/0098338 (Serial No. 09/990,507), filed Nov. 21, 2001, Dockus et al.
↓	US Pat. App. Pub. No. US 2002/0088717 (Serial No. 09/984,968), filed Oct. 31, 2001, Wittebrood et al.
↓	US Pat. App. Pub. No. US 2003/0064242 (Serial No. 10/230,429), filed Aug. 29, 2002, Wittebrood et al.
↓	US Pat. App. Pub. No. US 2003/0091856 (Serial No. 10/042,752), filed Dec. 20, 2002, Wittebrood et al.
↓	US Pat. App. Pub. No. US 2003/0042146 (Serial No. 10/125,583), filed Apr. 19, 2002, Wijenberg et al.
JS	ASTM G-85 (1990)

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JS	2	7	4	5	7	9	9	05/56	Patrie				
JS	2	8	2	1	0	1	4	01/58	Miller				
JS	3	4	8	2	3	0	5	12/69	Dockus et al				
JS	3	4	8	9	6	5	7	01/70	Brenan et al				
JS	3	5	9	7	6	5	8	08/71	Rivera				
JS	3	9	6	3	4	5	4	06/76	Singleton, Jr.				
JS	3	9	7	0	2	3	7	07/76	Dockus				
JS	4	0	2	8	2	0	0	06/77	Dockus				
JS	4	1	5	7	1	5	4	06/79	Scott et al				
JS	4	1	6	4	4	5	4	08/79	Schober				
	4	3	8	8	1	5	9	06/83	Dockus et al				
JS	4	6	0	2	7	3	1	06/86	Dockus				
JS	4	7	2	1	6	5	3	01/88	Oda et al				
JS	4	7	4	1	8	1	1	05/88	Lefebvre et al				
JS	5	0	6	9	9	8	0	12/91	Namba et al				
JS	5	2	4	5	8	4	7	09/93	Bando et al				
JS	5	4	2	2	1	9	1	06/95	Childree				
JS	5	4	6	6	3	6	0	11/95	Ehrsam et al				
JS	5	6	0	1	6	9	5	02/97	Muranushi				
	5	6	4	3	4	3	4	07/97	Benmalek et al				
JS	6	1	2	9	2	6	2	10/00	Cooper et al				

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JS	6 0 6 0 1 7 4	05/00	Sabol et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JS	0 0 7 1 7 8 1	11/00	WO			X	
↓	0 2 2 7 2 6 1	07/87	EP			X	
	1 1 7 6 6 8 8	01/70	GB			X	
	2 3 5 4 1 7 1	01/78	FR				X
	2 6 1 7 8 6 8	01/89	FR			Abstract Only	
JS	3 8 2 1 0 7 3	01/89	DE			Abstract Only	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JS	Bureau of Mines Technology, "Aluminium Soft-Soldering", 2301 N.T.I.S. Tech Notes (manufacturing), XP-002119816, 1985, January No. 1G, Springfield, VA, pgs. 12-13
	Wernick and Pinner, "The Surface Treatment and Finishing of Aluminium and its Alloys", 5 <sup>th</sup> edition, Volume 1, pp. 181-182 and pp. 191-203 (1988)
	Wernick and Pinner, "The Surface Treatment and Finishing of Aluminium and its Alloys", 5 <sup>th</sup> edition, Volume 2, pp. 1006-1022 and pp. 1023-1071 (Ch. 14-15)(Nov. 1988)
	SAE Paper No. 880446 by B.E. Cheadle and K.F. Dockus, "Inert Atmosphere Fluxless Brazing of Aluminum Heat Exchangers", ICE, Detroit, Michigan, pp.1-11 (Feb. 29-Mar. 4, 1988)
	Adrianus Jacobus Wittebrood, Jacques Hubert Olga Joseph Wijenberg, Joop Nicolaas Moolj, "Nickel-Plated Aluminum Brazing Sheet" Research Disclosure, No. 439, pp.1946-1947 (November 2000)
↓	SAE Paper No. P-263 by Kent Schölin and Bo Mannerskog, "Corrosion Resistant Aluminium Radiator Materials for Vacuum and Controlled Atmosphere Brazing" pp.75-82, 1993 Vehicle Thermal Management Systems Conference Proceedings
JS	Greef, N. et al, "The Hydrogen Evolution Reaction", Instrumental Methods in Electrochemistry, pp.233-236 (1990)

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10/622,122

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WIJENBERG et al.

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FLING DATE IF APPROPRIATE
JS	5 2 3 4 5 7 4	10/93	TSUJI et al.			
JS	6 5 9 9 6 4 5	07/03	WITTEBROOD			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JS	0	3 0 4 5 6 1 8	06/03	WO				
JS	0	3 0 4 5 6 1 9	06/03	WO				
JS	0	3 0 4 3 7 7 7	05/03	WO				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JS	Wijenberg et al., filed July 18, 2003, USSN 10/621,601 (unpublished)
JS	US Patent Appln. Pub. No. 2003/0155409, Dockus et al., filed November 21, 2002, Published August 12, 2003
JS	US Patent Appln. Pub. No. 2003/0189082, Dockus et al., filed November 21, 2002, Published October 9, 2003
JS	US Patent Appln. Pub. No. 2003/0197050, Graham et al., filed November 21, 2002, Published October 23, 2003

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	3 8 9 6 0 0 9	07/75	Kobayashi et al			
	4 0 9 7 3 4 2	06/78	Cooke et al			
	4 1 2 6 5 2 2	11/78	Edlund			
	4 1 7 7 3 2 5	12/79	Roberts et al			
	4 3 8 8 1 5 9	06/83	Dockus et al			
	5 6 4 3 4 3 4	07/97	Benmalek et al			
	5 9 9 7 7 2 1	12/99	Limbach et al			
JS	6 1 6 5 6 3 0	12/00	Gehlhaar et al			

FOREIGN PATENT DOCUMENTS

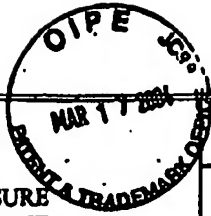
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JS	6 5 5 1 3 4	12/83	CH			Abstract only.	
JS	9 7 4 3 4 6 7	11/97	WO				
JS	7 9 5 0 4 8	06/96	EP				

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JS	3 6 9 2 5 8 3	09/72	Mucenicks et al			
↓	3 8 6 2 0 1 8	01/75	Mentone			
↓	3 8 8 1 9 9 9	05/75	Toth et al			
↓	4 3 9 7 7 2 1	08/83	Exalto et al			
↓	4 3 4 6 1 2 8	08/82	Loch			
JS	5 2 4 6 5 6 5	09/93	Mignardot			

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						YES	NO
JS	5 4 0 1 3 4 3 0	01/79	JP				X
↓	5 1 0 6 0 5 9	04/93	JP			Abstract Only	
↓	1 1 0 9 7 2 9 8	04/99	JP			Abstract Only	
↓	2 0 0 0 5 2 5	01/79	GB				
JS	0 2 0 8 6 1 9 7	10/02	WO				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JS	US Patent Application Serial No. 10/732,448, WITTEBROOD et al., filed December 11, 2003 (unpublished)
JS	US Patent Application Serial No. 10/732,405, WITTEBROOD et al., filed December 11, 2003 (unpublished)

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